S/N: 10/658,657

Reply to Office Action of June 18, 2004

Atty Dkt No. KLAI 0101 PUS

## Amendments to the Claims:

## 1 - 12. (Cancelled).

- 13. (Currently Amended) The method of claim 7 19 wherein the electrically conductive photocurable composition comprises a component selected from the group consisting of silver, carbon black, a doped metal oxide, and mixtures thereof.
- 14. (Currently Amended) The method of claim 7 19 wherein the electrically conductive composition comprises silver powder and silver flakes in an amount of at least 20% relative to the weight of the silver powder.
  - 15. (Currently Amended) The method in claim 7 19 wherein;
  - a) the photocurable organic mixture comprises:

an aliphatic acrylated urethane oligomer is present in an amount of about 3% to 8% of the total weight of the photocurable composition;

acrylated epoxy oligomer is present in an amount of about 2% to 4% of the total weight of the photocurable composition; and

an isobornyl acrylate monomer is present in an amount of about 4% to 8% of the total weight of the photocurable composition; and

## b) the electrically conductive composition comprises:

silver powder is present in an amount of about 50% to 60% of the total weight of the photocurable composition; and

silver flakes are present in an amount of about 25% to 35% of the total weight of the photocurable composition.

16. (Currently Amended) The method of claim 15 19 wherein the photocurable composition further comprises a flow promoting agent.

S/N: 10/658,657

Reply to Office Action of June 18, 2004

Atty Dkt No. KLAI 0101 PUS

- 17. (Currently Amended) The method of claim 15 19 wherein the electrical composition further includes a second conductive powder selected from the group consisting of carbon black and a doped metal oxide.
- 18. (Currently Amended) The method of claim 15 19 wherein the substrate is a flexible substrate.
- 19. (Previously Presented) A method for making a heating element adhered to a substrate, the method comprising:
- a) applying a photocurable composition to substrate in a pattern having one or more grid lines, the photocurable composition comprising

an aliphatic acrylated urethane oligomer;

acrylated epoxy oligomer;

an isobornyl acrylate monomer;

silver powder;

silver flakes; and

a photoinitiator, wherein the photocurable composition has less than about 10 weight % volatile organic compounds and wherein the substrate comprises a plastic that are at least partially soluble in volatile organic compounds or softened by volatile organic compounds; and

- b) illuminating the photocurable composition to light for a sufficient period of time to cure the photocurable composition that has been applied to the substrate.
- 20. (Original) The method of claim 19 wherein the silver flakes are present in an amount of at least 20% relative to the weight of the silver powder.
  - 21. (Original) The method of claim 19 wherein,

the aliphatic acrylated urethane oligomer is present in an amount of about 3% to 8% of the total weight of the photocurable composition;

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04:54:50 p.m. 01-13-2005 5/6

S/N: 10/658,657

Reply to Office Action of June 18, 2004

Atty Dkt No. KLAI 0101 PUS

the acrylated epoxy oligomer is present in an amount of about 2% to 4% of the total weight of the photocurable composition; and

the isobornyl acrylate monomer is present in an amount of about 4% to 8% of the total weight of the photocurable composition;

the silver powder is present in an amount of about 50% to 60% of the total weight of the photocurable composition; and

the silver flakes are present in an amount of about 25% to 35% of the total weight of the photocurable composition.

- (Original) The method of claim 19 wherein the pattern further includes 23. one or more busbars from which the one or more gridlines extend.
- (Original) The method of claim 19 wherein the pattern comprises a first 24. busbar and a second busbar wherein the one or more gridlines extend between and are in electrical contact with the first busbar and the second busbar.
- 25. (Original) The method of claim 19 wherein the substrate is a flexible substrate.

26-48. (Cancelled)